

FIG. 1

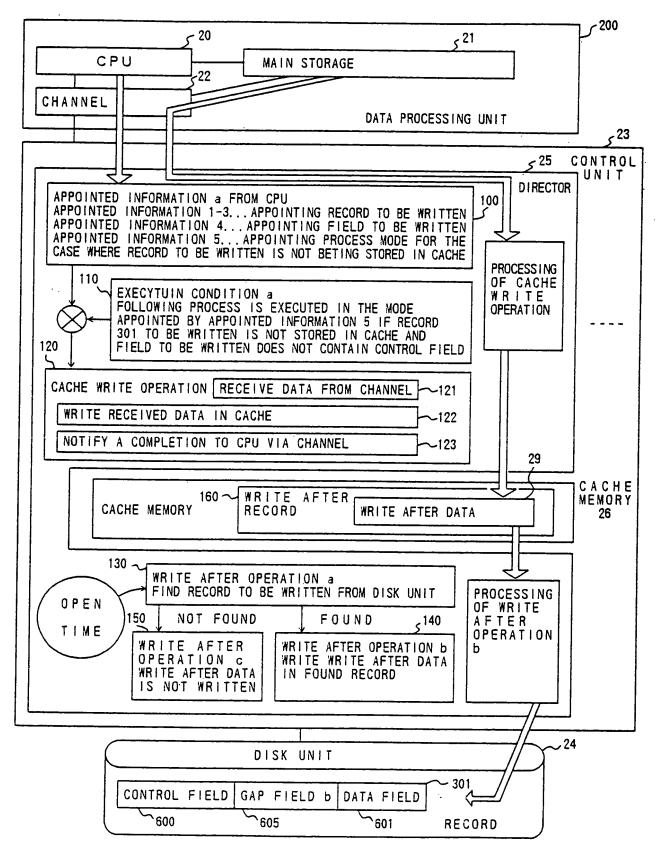




FIG. 2

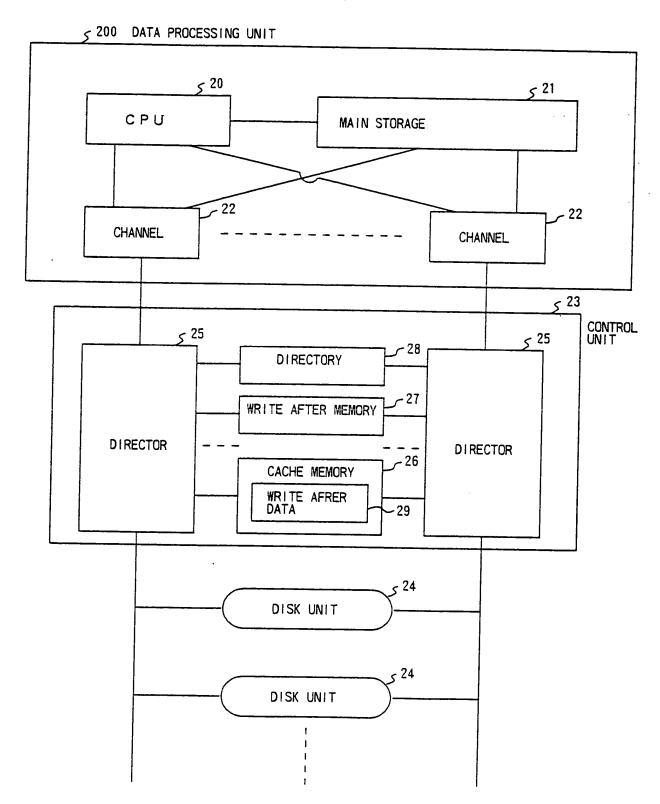




FIG. 3

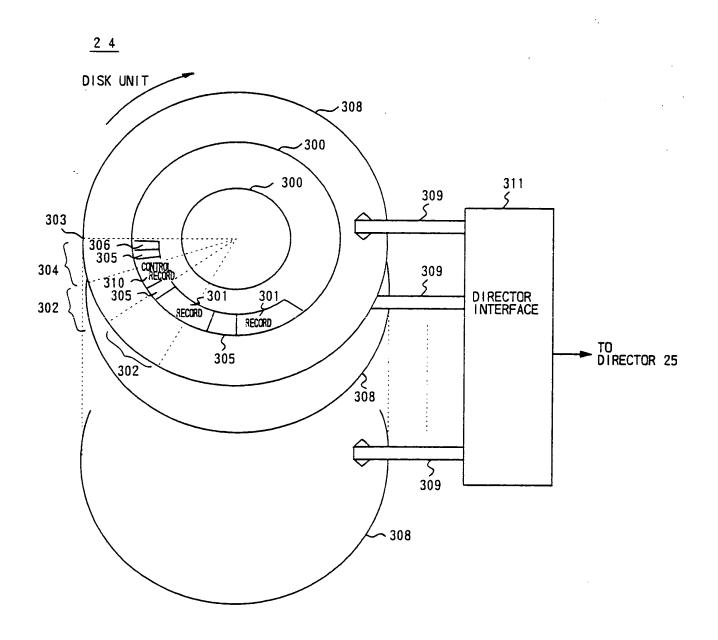




FIG. 4

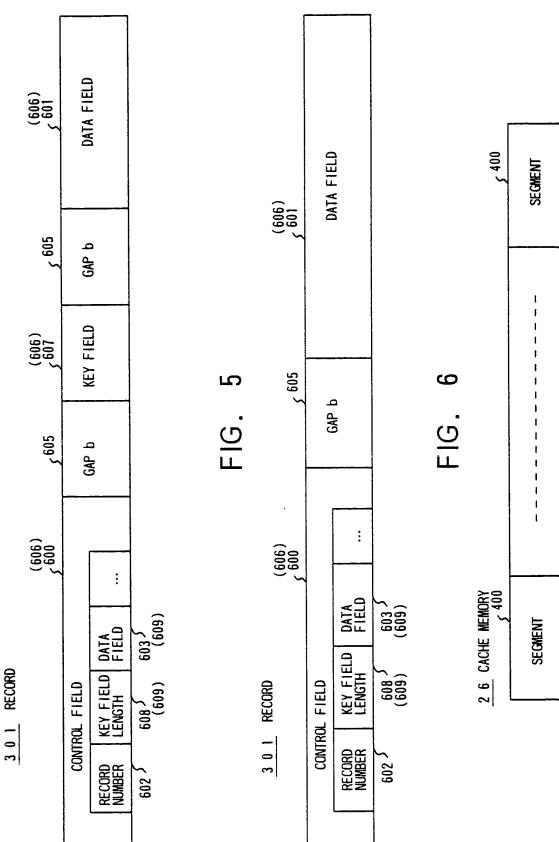
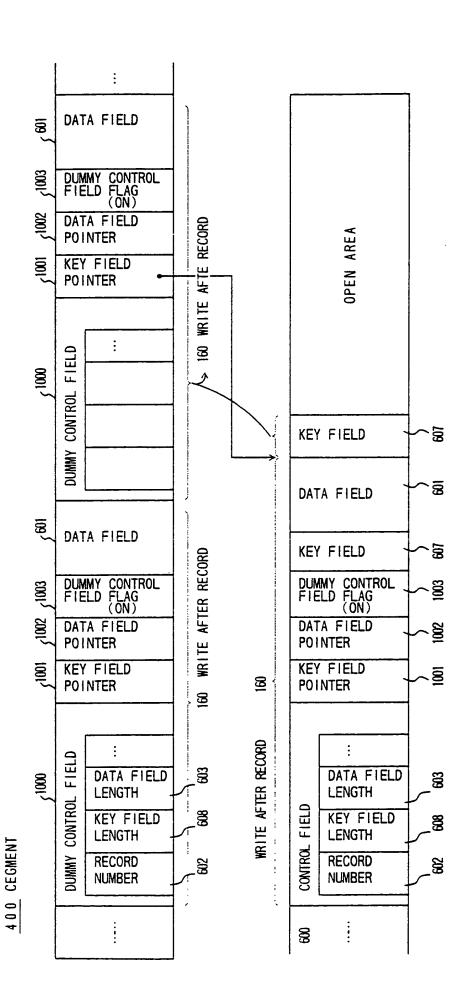




FIG. 7





2 8 DIRECTORY

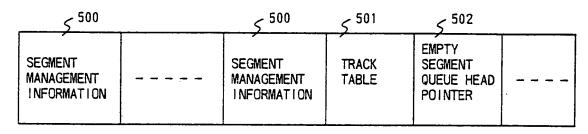


FIG. 9

5 0 0 SEGMENT MANAGEMENT INFORMATION

EMPTY SEGMENT POINTER **∼** 800 PARTIAL WRITE FLAG **∼** 801 CACHED TRACK NUMBER **∼** 805 RECORD POINTER **806** AS MANY AS THE NUMBER OF RECORD NUMBERS 602 DEFINABLE WITHIN TRACK 300 RECORD POINTER **├**~ 806 UPDATE RECORD POINTER ~ 807 AS MANY AS THE NUMBER OF RECORD NUMBERS 602 DEFINABLE WITHIN TRACK 300 UPDATE RECORD POINTER **~** 807 UPDATE FILED INFORMATION ! **808** AS MANY AS THE NUMBER OF RECORD NUMBERS 602 DEFINABLE WITHIN TRACK 300 UPDATE FILED INFORMATION **808** INTRA-SEGMENT EMPTY AREA ADDRESS **—** 809 SEGMENT POINTER **810**

.



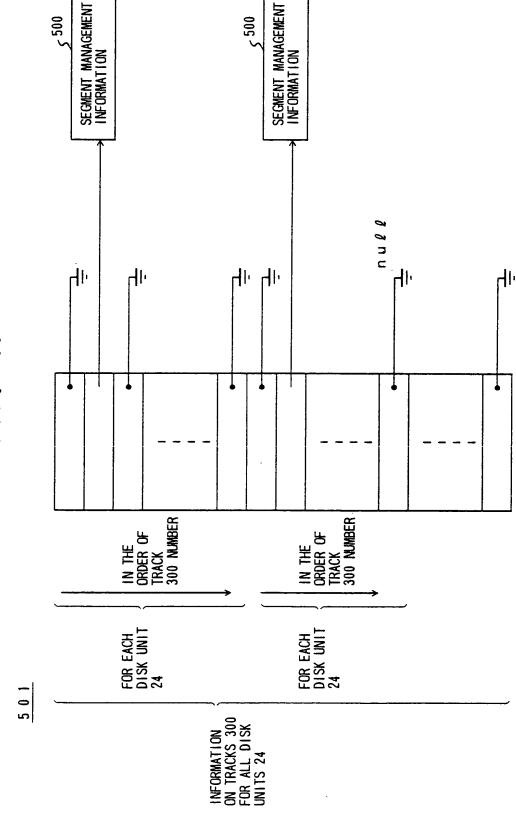
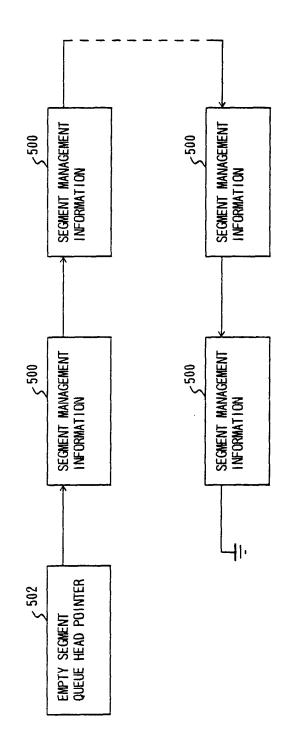


FIG. 10



FIG. 11





2 7 WRITE AFTER MEMORY

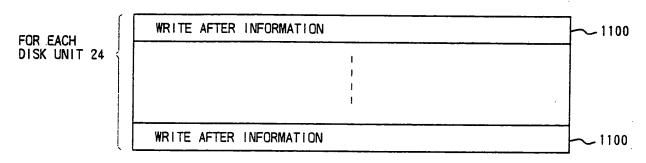


FIG. 13

1 1 0 0 WRITE AFTER INFORMATION

WRITE AFTER PROCESSING FLAG	1200
WRITE AFTER SEGMENT POINTER	1202
RECORD NUMBER INCONSISTENT INFORMATION	1203
FIELD LENGTH INCONSISTENT INFORMATION	1204

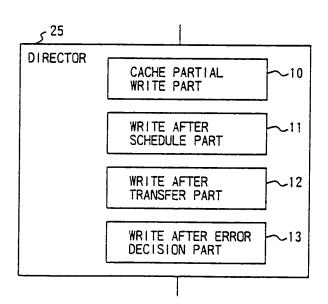




FIG. 15

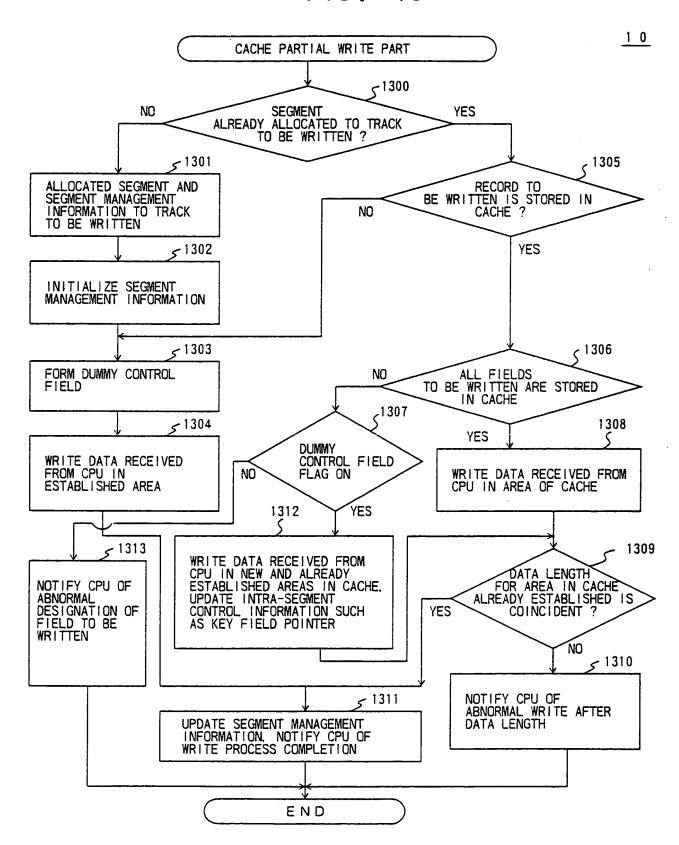




FIG. 16

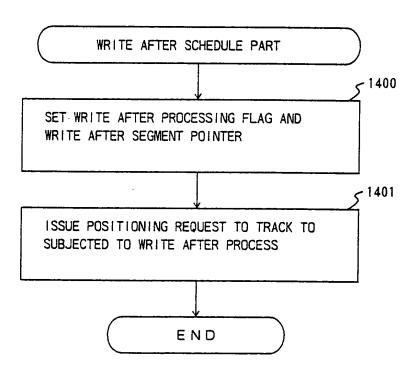




FIG. 17

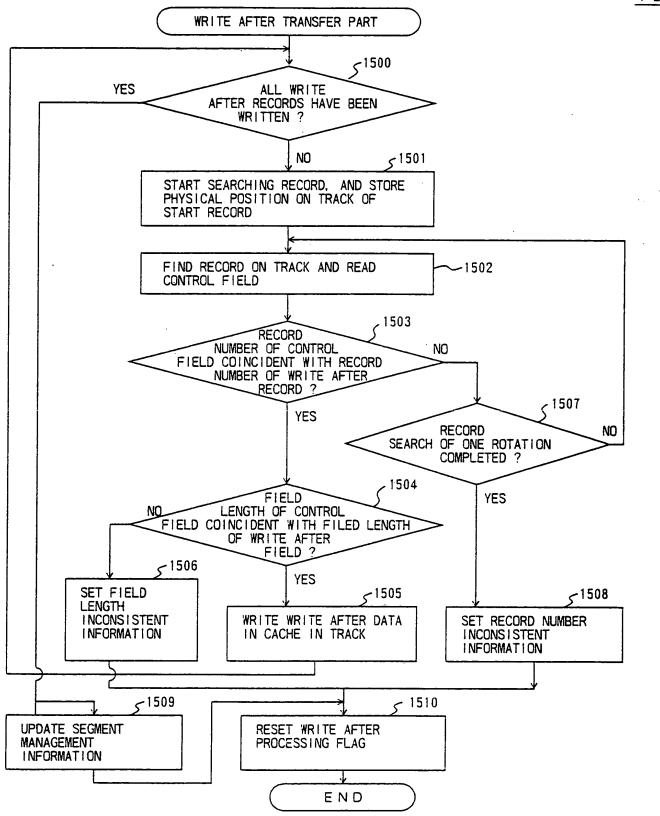




FIG. 18

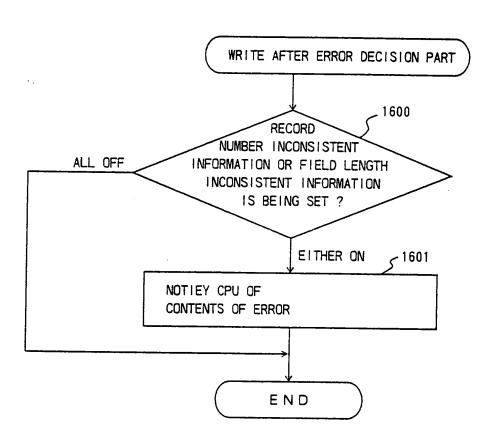
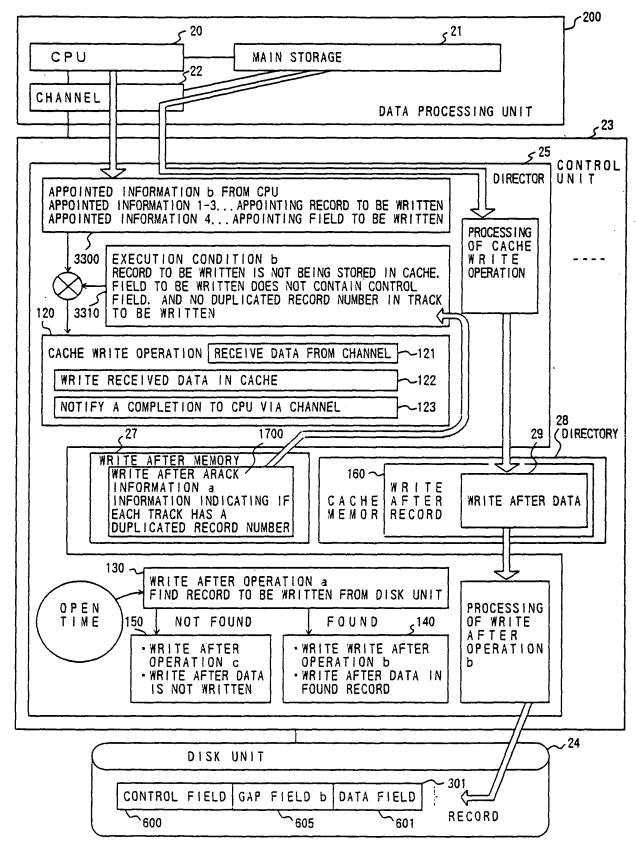




FIG. 19





2 7 WRITE AFTER MEMORY

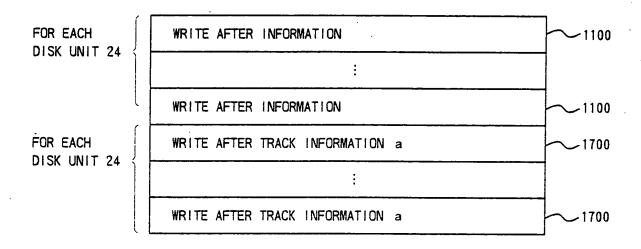
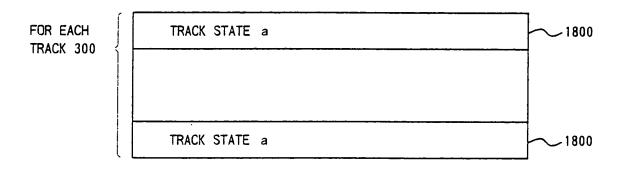
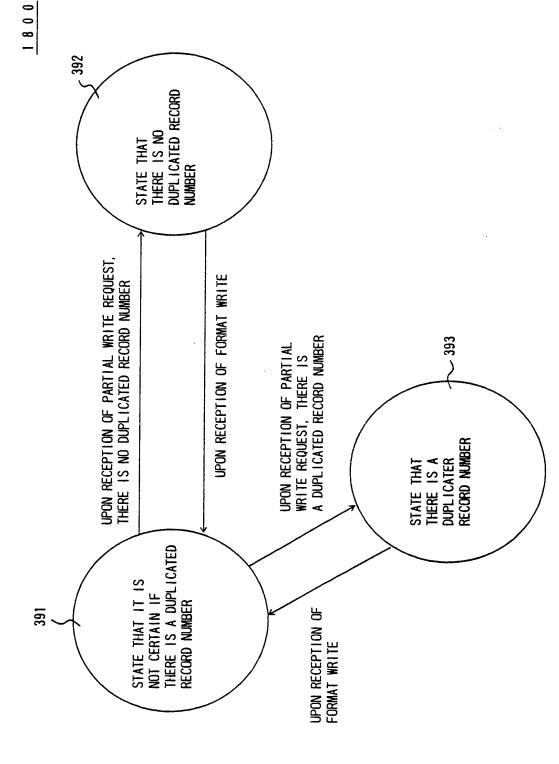


FIG. 21

1 7 0 0 WRITE AFTER TRACK INFORMATION a









	5 ¹⁰
DIRECTOR	CACHE PARTIAL WRITE PART
	5 ¹¹
	WRITE AFTER SCHEDULE PART
	5 ¹²
	WRITE AFTER TRANSFER PART
	S ¹³
	WRITE AFTER ERROR DECISION PART
	S 14
	WRITE AFTER TRACK INFORMATION MANAGEMENT PART a
	S 15
	WRITE AFTER TRACK INFORMATION MANAGEMENT PART 6



FIG. 24 A

1 4

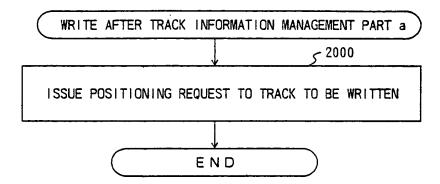


FIG. 24 B

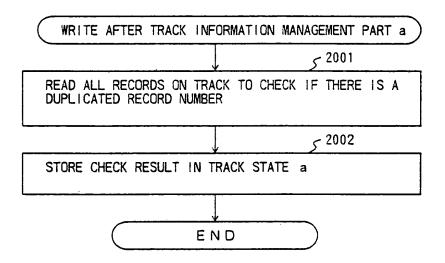


FIG. 25

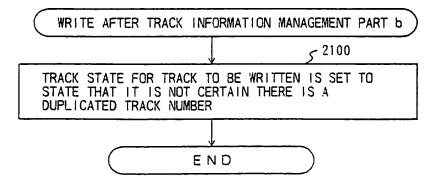
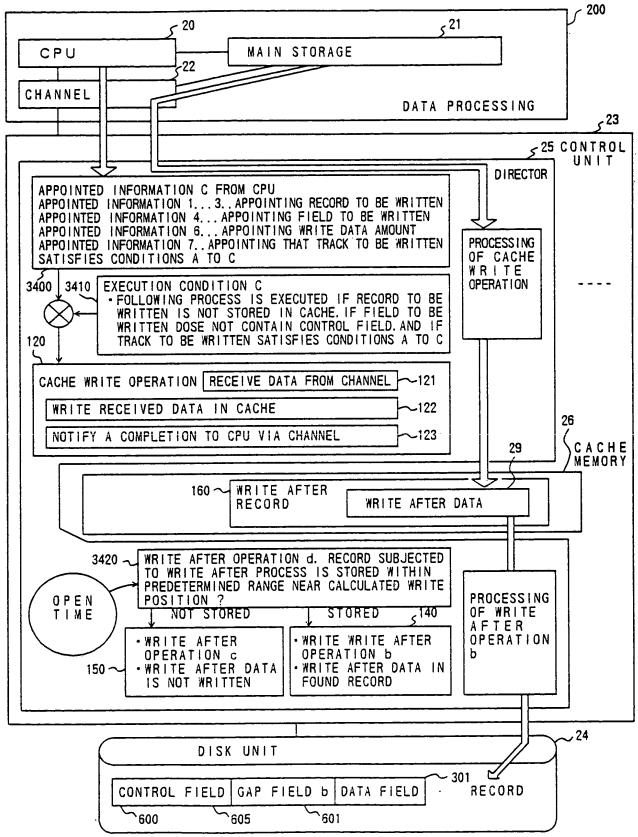




FIG. 26





5 0 0 SEGMENT MANAGEMENT INFORMATION

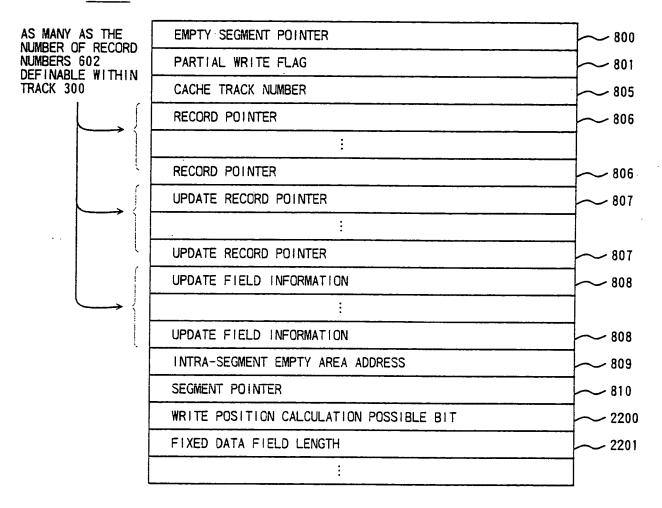


FIG. 28

1 1 0 0 WRITE AFTER INFORMATION

	_
WRITE AFTER PROCESSING FLAG	1200
WRITE AFTER SEGMENT POINTER	1202
RECORD NUMBER INCONSISTENT INFORMATION	1203
FIELD LENGTH INCONSISTENT INFORMATION	1204
WRITE AFTER START RECORD NUMBER	2300
RECORD PHYSICAL POSITION INCONSISTENT INFORMATION	2301
	WRITE AFTER SEGMENT POINTER RECORD NUMBER INCONSISTENT INFORMATION FIELD LENGTH INCONSISTENT INFORMATION WRITE AFTER START RECORD NUMBER





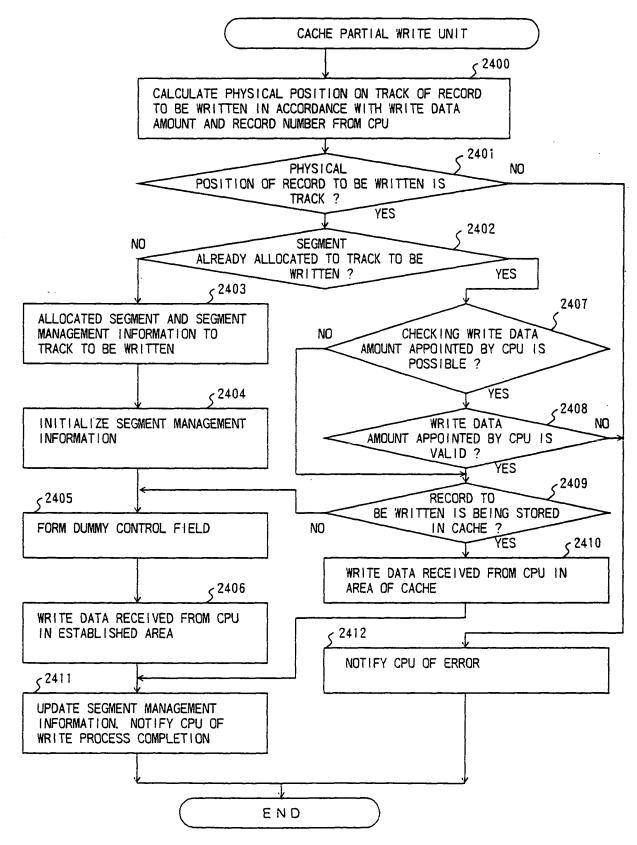
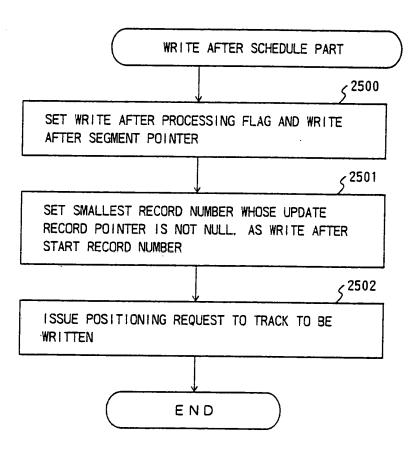




FIG. 30





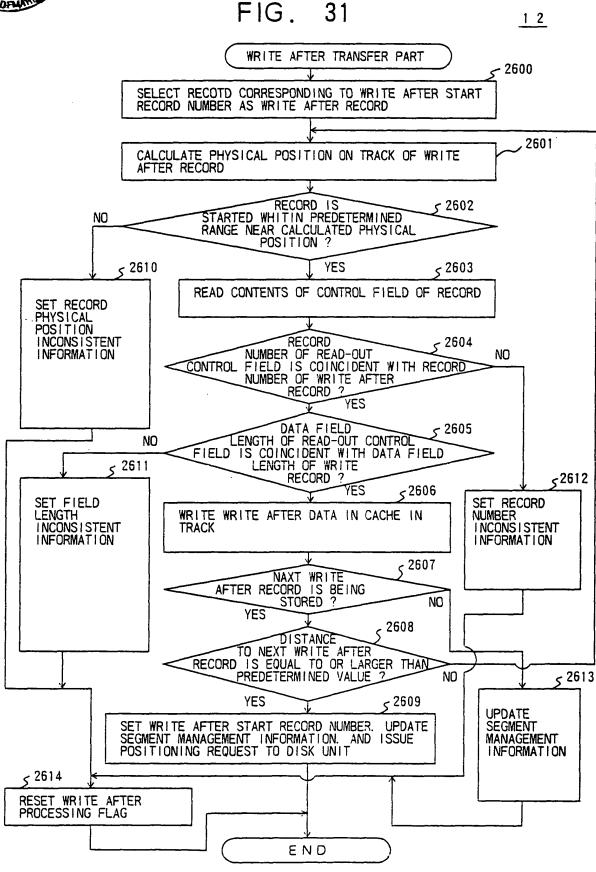




FIG. 32

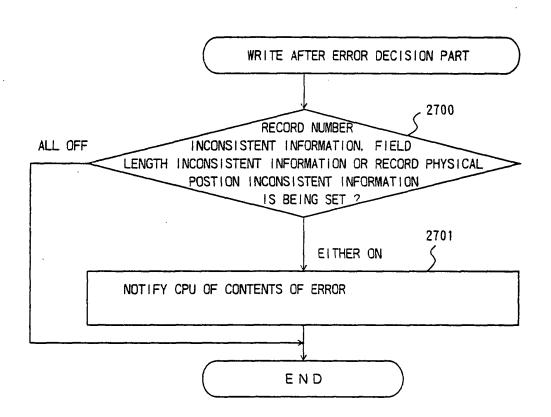




FIG. 33

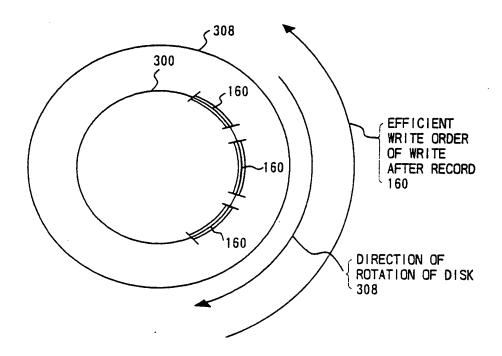


FIG. 34

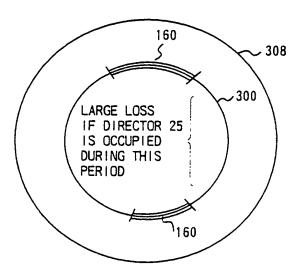
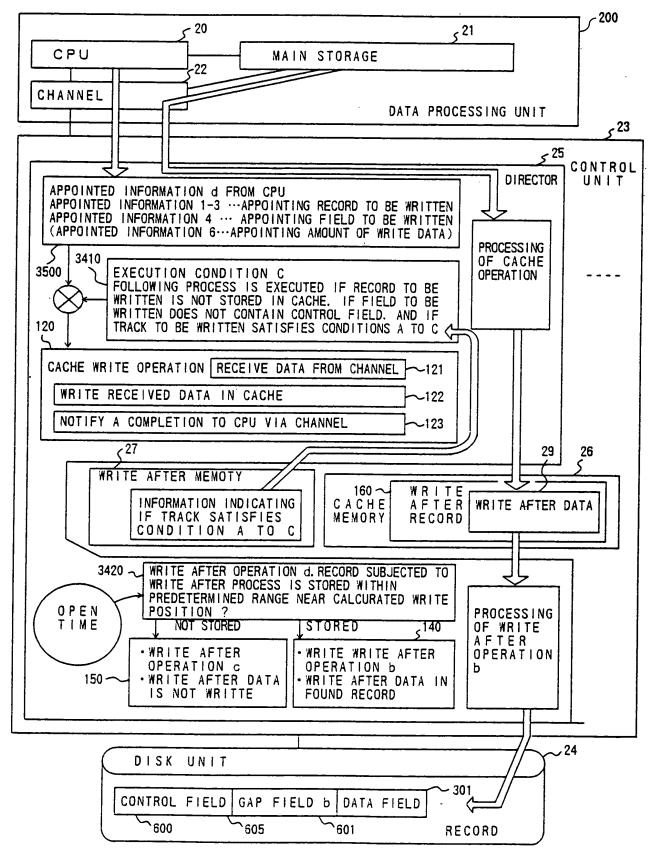




FIG. 35

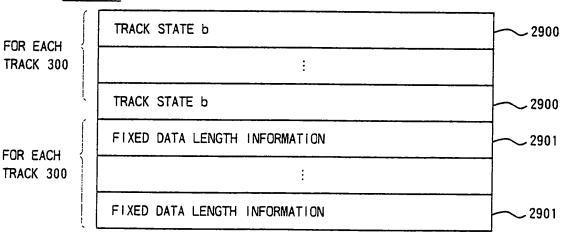




WRITE AFTER MEMORY 2 7 FOR WRITE AFTER INFORMATION -1100 EACH DISK UNIT 24 WRITE AFTER INFORMATION -1100 FOR WRITE AFTER TRACK INFORMATION b - 2800 EACH DISK UNIT 24 WRITE AFTER TRACK INFORMATION b - 2800

FIG. 37

WRITE AFTER TRACK INFORMATION 2 8 0 0





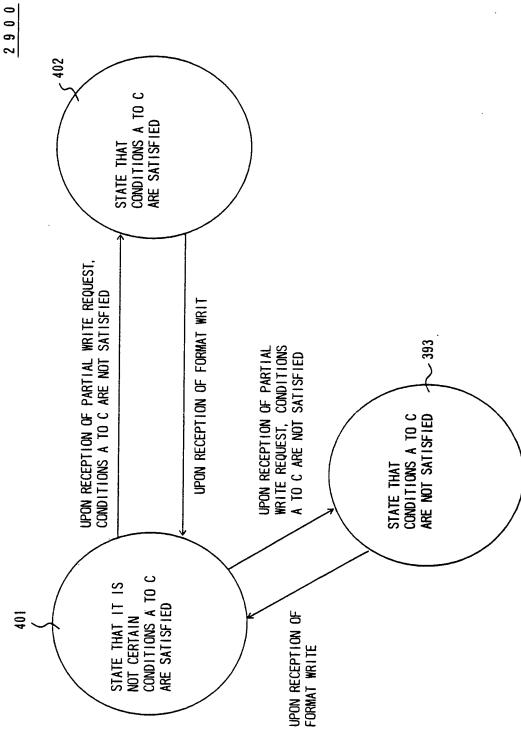




FIG. 39 1 0 CACHE PARTIAL WRITE UNIT 3000 FIXED DATA FIELD NO INFORMATION IS EQUAL TO WRITE DATA AMOUNT RECEIVED FROM CPU ? < 3001 YES CALCULATE PHYSICAL POSITION ON TRACK OF RECORD TO BE WRITTEN IN ACCORDANCE WITH WRITE DATA AMOUNT AND RECORD NUMBER RECEIVED FROM CPU < 3002 PHYSICAL NO POSITION OF RECORD TO BE WRITTEN IS WRITE TRACK ? YES 3003 NO SEGMENT YES ALREADY ALLOCATED TO TRACK TO BE WRITTEN ? 3004 ح _ 3008 ALLOCATED SEGMENT AND SEGMENT MANAGEMENT INFORMATION TO TRACK NO RECORD TO BE TO BE WRITTEN WRITTEN IS BEING STORED IN CACHE ? < 3005 € 3005 S 3009 YES INITIALIZE SEGMENT MANAGEMENT INFORMATION WRITE DATA RECEIVED FROM CPU IN AREA OF CACHE ? ≤ 3006 FORM DUMMY CONTROL FIELD < 3011 < 3007 NOTIFY CPU OF ERROR ? WRITE DATA RECEIVED FROM CPU IN ESTABLISHED AREA S 3010 UPDATE SEGMENT MANAGEMENT INFORMATION. NOTIFY CPU OF WRITE PROCESS COMPLETION END



FIG. 40 A

1 4

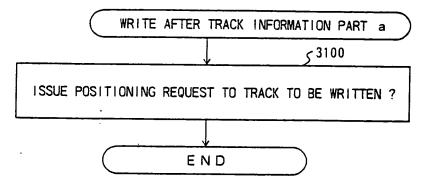


FIG. 40 B

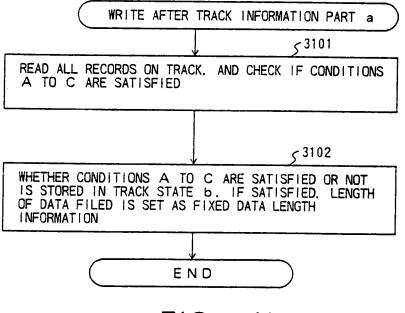


FIG. 41

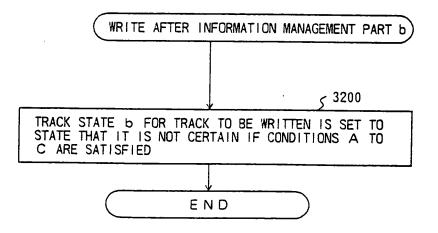




FIG. 43 A

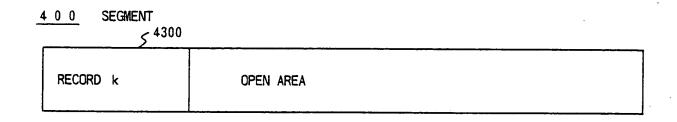


FIG. 43 B

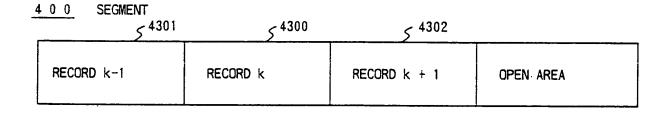
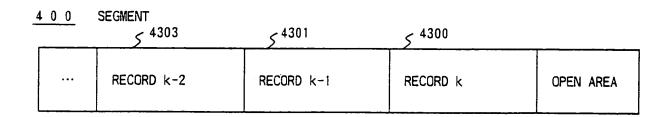


FIG. 43 C





5 0 0

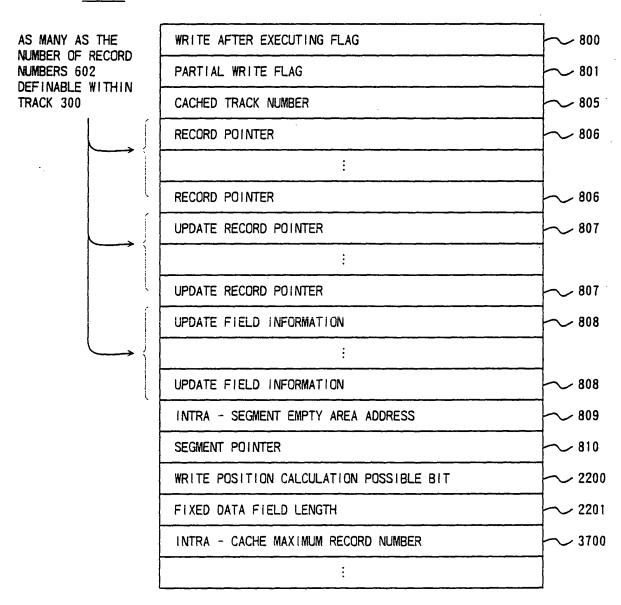




FIG. 45

